

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 9, line 1 with the following rewritten paragraph:

--**Figure 1** shows the three-dimensional models of anti-adenosine aptamers derived from NMR analysis.^{11,12} Some of the sites chosen for dye incorporation into either RNA, ATP-R-Ac13 (blue) (**Figure 1A**), or DNA, DFL7-8 (orange) (**Figure 1B**), aptamers are shown in yellow. Bound adenosines are shown in purple.—

Please replace the paragraph beginning on page 9, line 6 with the following rewritten paragraph:

--**Figure 2** shows the sites of dye incorporation into RNA (SEQ ID NO: 1) and DNA aptamers (SEQ ID NO: 2). In **Figure 2A** in the RNA aptamers acridine is incorporated in place of residue 13 (ATP-R-Ac13). Fluorescein is incorporated at the 5' end (ATP-R-F1), at the 5' end with a heptaadenyl linker (SEQ ID NO: 3) (ATP-R-F2), and in place of residue 13 (ATP-R-F13). In **Figure 2B** in the DNA aptamers, fluorescein was incorporated at the 5' end (DFL0), in place of residue 7 (DFL7), and in between residues 7 and 8 (DFL7-8). Residues are numbered from the 5' end on the secondary structures.--